

## Headquarters U.S. Air Force

*Integrity - Service - Excellence*



### Air Force Auxiliary Issues Update to the National Board

Col George Sciss  
AF/XOS-H

Directorate of Homeland Security  
Air and Space Operations

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## Overview



- Mission Statement
- AFNSEP Capabilities Page
- IAF Memorandum of Understanding
- DoD STARBASE
- CAP Cadet Aviation Programs
- Connecting the Dots...

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## AFAux Mission Statement



The overall mission of the Air Force Auxiliary is to perform Homeland Security and Emergency Services missions for communities, states, and the nation; educate our citizens on the importance of air and space power; and develop our country's youth. This mission is executed in two broad categories:

**Air Force Auxiliary Mission.** The mission of the CAP, when serving as the United States Air Force Auxiliary, is to assist the Air Force to prevent, protect from, and respond to: Homeland Security threats, domestic incidents, or natural and man-made disasters. With Air Force approval, the Auxiliary will also provide civil support to non-DoD Agencies.

**CAP Corporate Mission.** The mission of the CAP, when not serving as the Air Force Auxiliary but as a nonprofit corporation, is to provide an organization for private citizens to assist in meeting local and national emergencies, encourage and develop the voluntary contribution of private citizens to the public welfare, especially in the field of aviation education and training for its members, and encourage and foster civil aviation in local communities.

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## AFNSEP Capabilities Book

U.S. AIR FORCE



- Summary of AF "Civil Support" capabilities
- Purpose
  - Educate local, state, and other federal agencies on what the Air Force can offer for Civil Support
- AFAux will have a page
  - Capabilities
  - Request Process
- Currently in use by AFNSEP Personnel



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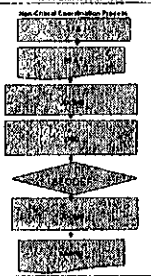

FOR OFFICIAL USE ONLY

## AFAux-CAP Air Force Auxiliary/ Civil Air Patrol

1. Mission: Precision search and rescue, disaster relief, counter drug support, and nonmilitary security missions at a fraction of the cost of other agencies.
2. Capability: Aerial imaging capability with ability to download photos to the customer within minutes. Customer has ability to control aircraft via Sat-Phone to in-link or request different photo orientations. Limited RF thermal imaging capability. Developing low cost Hyperspectral Imaging System which should be available early 2006. Light transport capability for blood, equipment, or give. Some new aircraft coming online will have 6 day or 12000 payload capability. Fleet of over 600 vehicles used for ground search and rescue teams or transport. Extensive communications network includes 4,500 VHF, UHF, and nationwide HF network. Limited HF email capability. Codes of 600+ Chapter registration capability available for weekly services or general support.
3. Availability: 61,000 volunteers and 550 Aircraft available across the nation (in include AK, HI, and Puerto Rico) for tasking within hours. Alert status available with prior approval to launch within minutes. For non-immediate response (incidents, plan ahead and make request early to ensure time to approve request through RFA process.
4. Cost: Typically \$100-200 per hour of flight time depending on operational cost. Possible TDY expenses for volunteers or additional expenses for specialized imaging equipment.
5. Timeline: Request to Result: For immediate response via AFNSEP and SAR via AFRCOC within hours. Direct DOD non-critical MACA support via RFA process. How to get it: Call AFNSEP or AFRCOC as appropriate. If not a immediate response, and for all other requests, contact CAP NOC who can meet in confirming the appropriate AF approval authority to execute the mission. Contact members for assistance, in requesting AF Aux-CAP support or for further information are listed in section 6 below.
7. Things you should know: Contact CAP/NOC for any other information or specific questions about capabilities. Policy level questions should be directed to AFRCOC-HA.
8. POC: AFNSEP: Normal Duty Hours (800)386-0051  
After Hours Pager (800)668-1364  
AFRCOC: (800)851-3061  
CAP NOC: (888)911-1812  
AFRCOS-HA: (703) 896-0048 / 0111 / 3637



CAPABILITY HIGHLIGHTS

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## CAP/HQ CAP-USAF/IAF

### Memorandum of Understanding

U.S. AIR FORCE



- Defines how the AFAux presents forces to Northern Air Forces – IAF when tasked
- Key link in AFAux / AF Command & Control integration

- Document in 2-LTR Coordination

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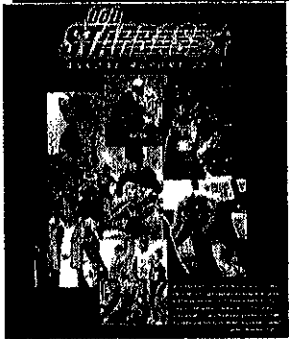
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## DoD STARBASE





- **Mission & Goal**  
To raise the interest and improve the knowledge, skills, and attitudes of at-risk youth in math, science, and technology by exposing them to the technological environments, training, and positive role models found on military bases and installations.
- AFAux will be lead agent to administer the Air Force part of the STARBASE Program
- Document in 3-LTR Coordination

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## CAP Cadet Aviation Programs



- Funding requires 'tie' into AF Mission
- AF Community Outreach Program
  - Positive awareness of the AF among the public
  - Promote AF as employer of choice
  - Increase recruitment, retention, and training
  - Increase minority representation in rated career field
- AETC is lead command for implementation
  - SECAF approval will provide needed connectivity to justify funding CAP aviation programs with appropriated \$\$\$
- Document in 3-LTR Coordination



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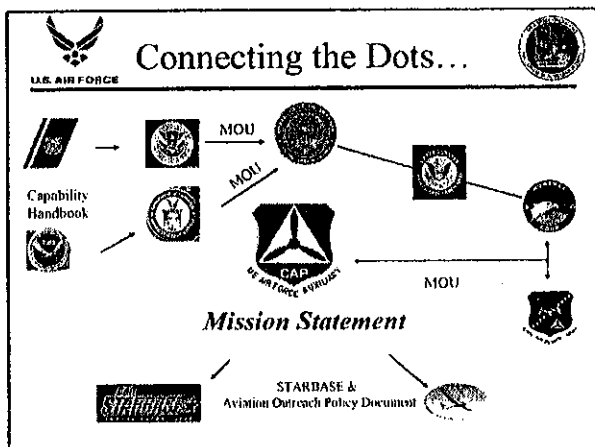
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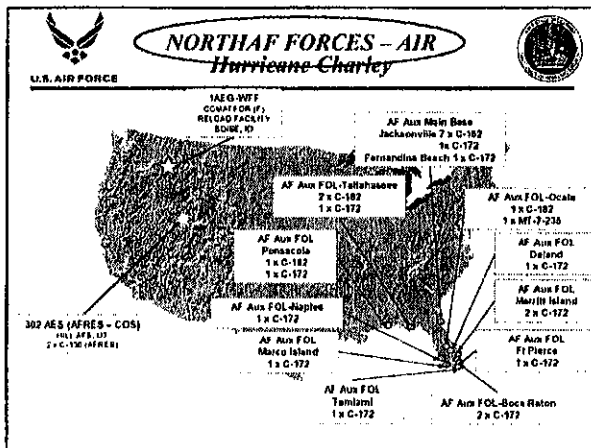
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NB August 2004



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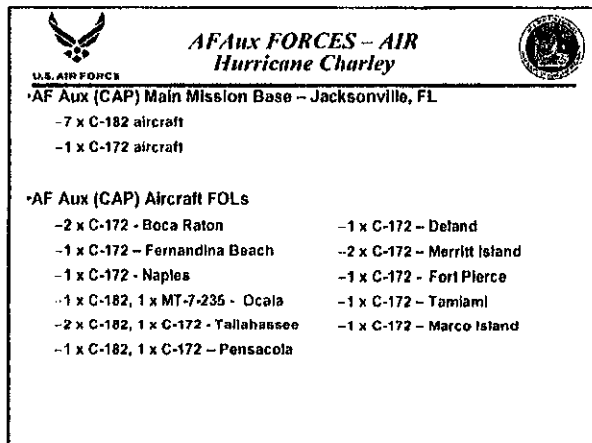
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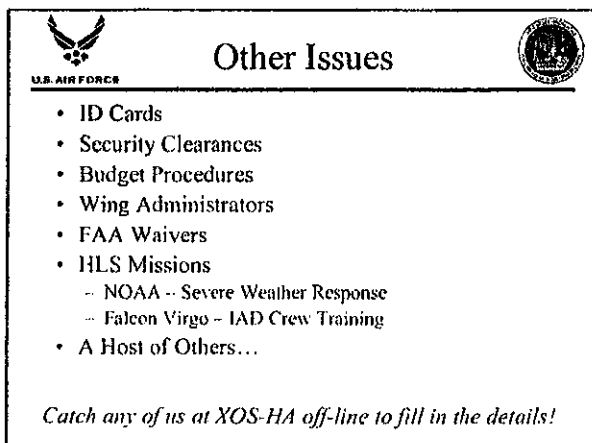
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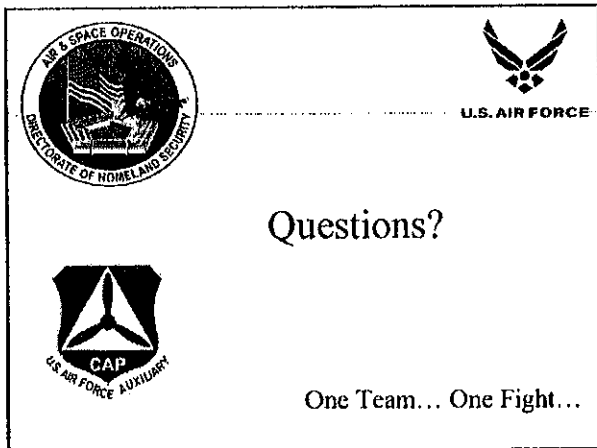
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Texas Wing, Civil Air Patrol

## Radiological Monitoring Briefing

Col Robert Frank Eldridge  
Texas Wing



Radiological Monitoring Briefing

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Texas Wing, Civil Air Patrol

### Purpose

To gain your support to re-establish a ground and aerial radiological monitoring mission capability within CAP



Radiological Monitoring Briefing

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Texas Wing, Civil Air Patrol

### Overview

- Background
- Opportunities
- Safety
- Recommendation



Radiological Monitoring Briefing

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Texas Wing, Civil Air Patrol

### Background

- CAP has been involved with the radiological monitoring (RM) mission since the early Cold War
- At one point, all pilots and observers were required to be trained for RM missions
- The RM mission declined during the military draw-down of the early 1990's and training virtually ceased



Radiological Monitoring Briefing

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Texas Wing, Civil Air Patrol

### Background

- The world has changed since 11 Sep 01
- The actual likelihood of a massive nuclear exchange has decreased, but not been eliminated
- Chances of a foreign/domestic terrorist or small-state nuclear detonation have increased



Radiological Monitoring Briefing

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Texas Wing, Civil Air Patrol

### Background

- Possibilities of a "dirty bomb" event have grown
- The slim possibility of a "Chernobyl" event has never really decreased
- Few agencies have a significant RM capability at this time, even fewer with Aerial RM (ARM)
- Texas State have expressed an interest in ARM operations



Radiological Monitoring Briefing

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*Texas Wing, Civil Air Patrol*

### Opportunities

- Cost for CAP is low, as the training can be easily re-incorporated into our ES program
  - FEMA has on-line training in general RM (IS 3, IS301, etc.)
  - TX Wing has a CAP-specific course for mission profiles, procedures, etc.
- Some states still have some level of RM awareness, equipment stocks, and maintenance/calibration facilities



*Radiological Monitoring Briefing*

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*Texas Wing, Civil Air Patrol*

### Opportunities

- CAP can provide RM for HLS and DR missions in several of these scenarios:
  - Flight Line Marshalling - sweep of ARM aircraft
  - Mission Staff Assistant - sweep of personnel/areas
  - Triage of contaminated persons at hospitals/disaster scenes
  - On-point avoidance of contaminated areas
  - Perimeter definition of ground radiological events
  - ARM sweeps for lost/stolen/terrorist materials, in a similar fashion to our CD missions
- Air and Ground RM for power plant emergencies, explosions, etc.



*Radiological Monitoring Briefing*

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*Texas Wing, Civil Air Patrol*

### Safety

- The risk levels are low given these restrictions:
  - NO intentional entry into hot areas, air or ground
  - NO flying into suspected hot plumes - Perimeter definition only
  - ALL personnel involved wear personal dosimeters and mission participation is terminated well before exposure limits are reached



*Radiological Monitoring Briefing*

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Texas Wing, Civil Air Patrol

### Safety

- Due to speed, altitude and avoidance, contamination of dry aircraft is minimal
- Aerial mission radiation level is 1/15th the ground exposure rate at 600 ft, so lethal levels on the ground can be safely measured with minimal aircrew exposure
- Ground personnel, when near possible contaminated areas, carry monitoring equipment in the lead to avoid inadvertent entry into a hot zone



Radiological Monitoring Briefing

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Texas Wing, Civil Air Patrol

### Recommendation

Re-establish a ground and aerial radiological monitoring mission capability within CAP

- Define our mission roles
- Establish a National Training Program



Radiological Monitoring Briefing

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Texas Wing, Civil Air Patrol

### Special Thanks

Lt Col Dietrich P. Whisenand, Hq Group 4, Texas Wing



Radiological Monitoring Briefing

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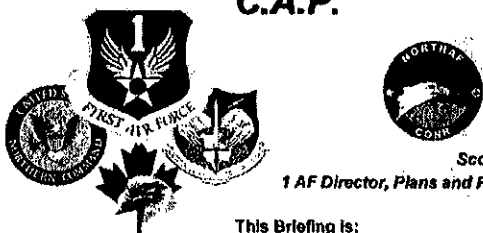
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**CONR-NORTHAF-1AF**

**RE-OPERATIONALIZING  
C.A.P.**



*Scotty Scott*  
1 AF Director, Plans and Programs

This Briefing Is:  
**UNCLASSIFIED**

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**CONR-NORTHAF-1AF**

**WHO WE ARE**

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**LEADERSHIP**

**1 AF**  **CONR** 



Colonel  
James "Ed" Daniel Jr.  
1AF/ice Commander

Major General  
Craig R. McKinley  
1 AF/CONR Commander

Brigadier-General  
J. Marcel Duval  
Deputy Commander, CONR

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## CONR-NORTHAF-1AF

### WHAT WE DO

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UNCLASSIFIED

**NORAD-NORTHCOM MISSION**  
**Unified Command Plan**

  
Est 28 Feb 58

- **NORAD: Aerospace Defense for North America**
- **CONUS NORAD Region (CONR)**
  - Aerospace warning and control
  - All air threats: internal and external
- **USNORTHCOM: Homeland Defense - Civil Support**
  - "Unified" land-sea-air command
  - DoD support to federal agencies
- **NORTHAF-1AF**
  - Homeland Defense
    - Full spectrum – tailored air and space power
    - Mil-to-Mil theater support for Mexico and Canada
  - Civil Support
    - USAF services provided to Federal Agencies

UNCLASSIFIED

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**1 AF MISSIONS**  
**ACCMD 202, Vol 2, 1AF**



- **Numbered Air Force (NAF).** Organized, train and equip functions. Ensure combat-ready, full spectrum air and space operations in support of global USAF AEF missions.
- **Continental United States (CONUS) NORAD Region (CONR).** COMAFFOR for assigned/gained/attached forces. Provide air supremacy over CONUS, US V.I. AND Puerto Rico. Conduct aerospace warning and control missions (DCA) as directed by CDRNORAD.
- **Northern Air Forces (NORTHAF),** through delegation to 1AF. COMAFFOR for assigned/gained/attached forces. Conduct NORTHCOM air component planning and full spectrum air and space operations and civil support missions in CONUS, USVI and PR (CONUS-VIPR), Mexico, Canada theater support.
- **JFACC, AFA, AADC, SCA and JSRC.** (NORAD, USNORTHCOM).

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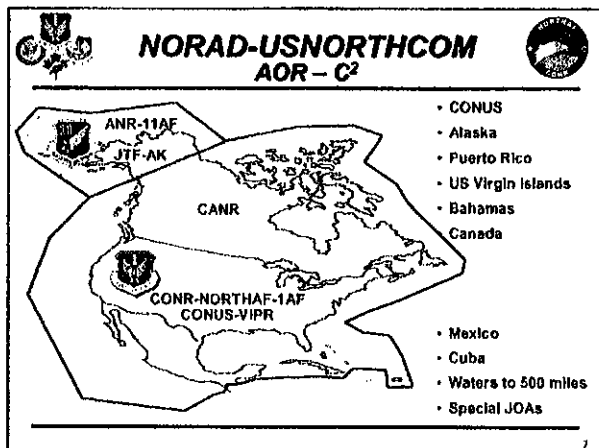
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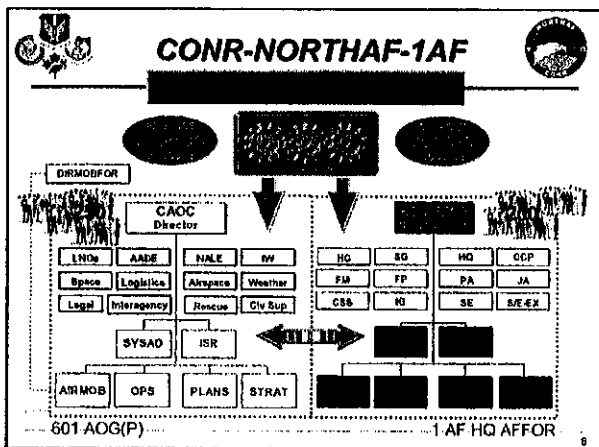
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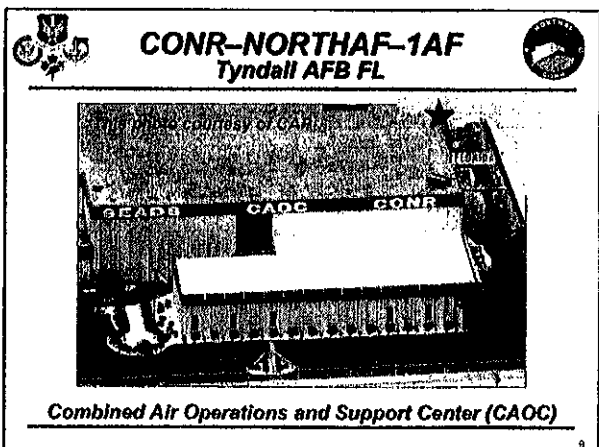
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## CONR-NORTHAF-1AF

**WHAT WE  
BELIEVE**

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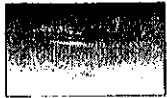
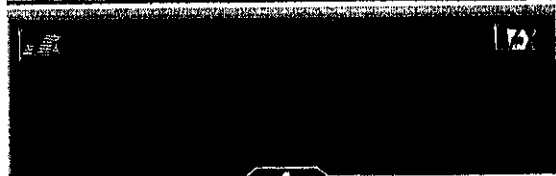
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## OUR VISION



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## WE BELIEVE ...



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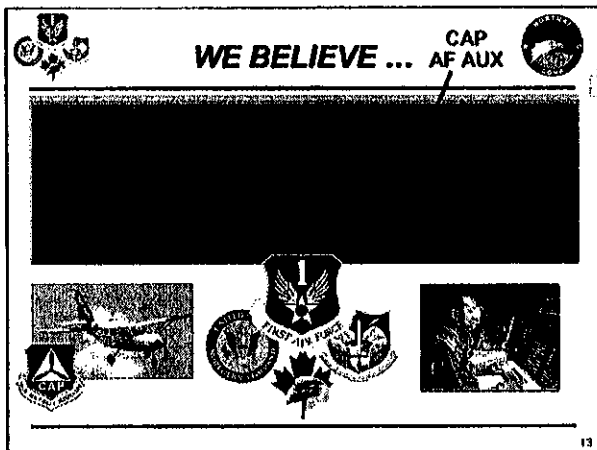
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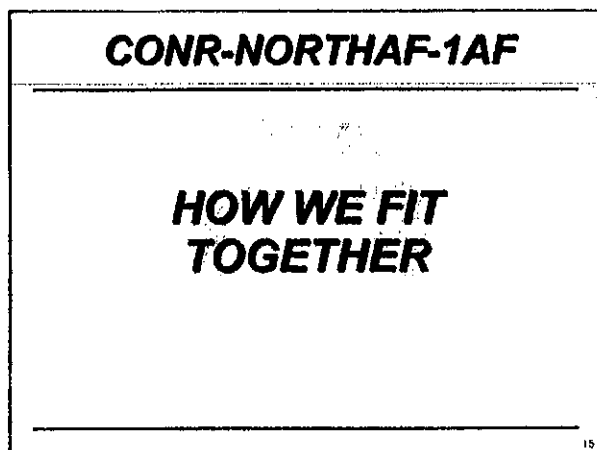
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**CONR-NORTHAF-1AF**



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## CAP MISSIONS

### G-8 Summit

- **24/7 CAP Alert at St Mary's GA**
  - Gippsland and C-206
  - SDIS
- **Air Transport**
  - Delivered critical time-sensitive pre-mission radar data and briefing personnel to JFACC HQ
- **Aerial Imaging**
  - Downlinked aerial imagery directly to CAOC
  - ADA sites for AADC force protection
  - Discovered dynamic reporting/re-tasking capability through e-mail - investigating chat
- **Incentive Flights**
  - For deserving USAF and Army G-8 personnel

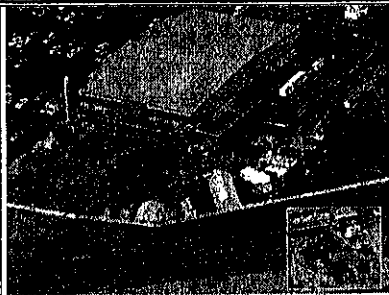


**SEA ISLAND**  
Summit 2004

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## CAP MISSIONS


### G-8 Summit – SDIS Mission



DATE/TIME 240000Z0505 CALIGN CAPT AIRCRAFT OFFSLAND 03-0  
 ALTITUDE 6000 ALTITUDE 1200 FT 0505  
 LOCATION ARCC JMWCC Midway Airport (A) 16001 040125 00 (17000 0300 0000)


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### CIVIL SUPPORT

#### Hurricane Charley – JFACC Brief



- AF Aux (CAP) mission assignment (MA) expected to run through 23 Aug
  - CAP receiving direction from AF Rescue Coord Center (AFRCC) to find and assist disabling the numerous activated emergency locator transponders (ELTs)
  - Within parameters of existing FEMA MA
- CAP recce mission flew with local Fox News on 17 August
  - Good PA for CAP
- NORTHAF-1AF Civil Support Desk in CAOC shut down at 17 1900L Aug 04 – Charley situation monitored from 1AF/A5

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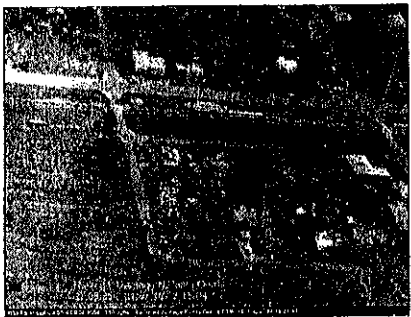
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### CIVIL SUPPORT

#### Hurricane Charley – Damage Assessment





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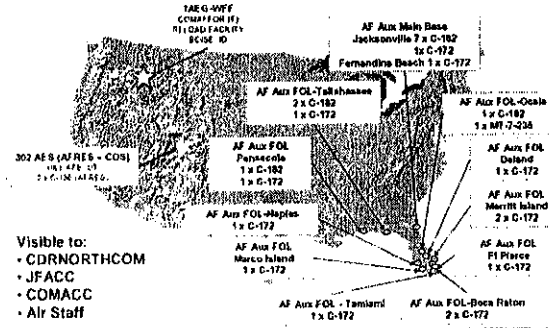
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### NORTHAF FORCES – AIR

#### 17 Aug 04 – JFACC Brief





Visible to:

- CDRNORTHCOM
- JFACC
- COMACC
- Air Staff

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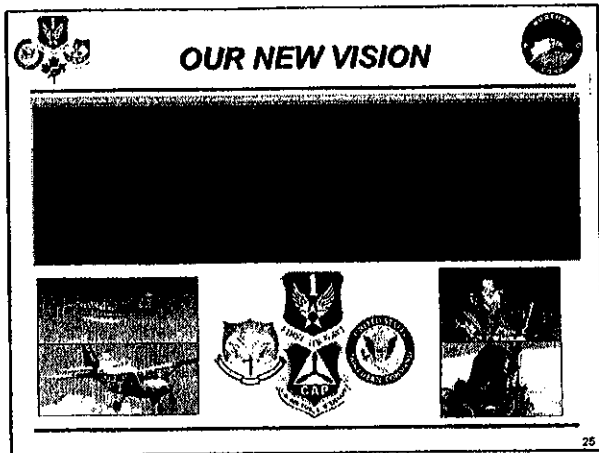
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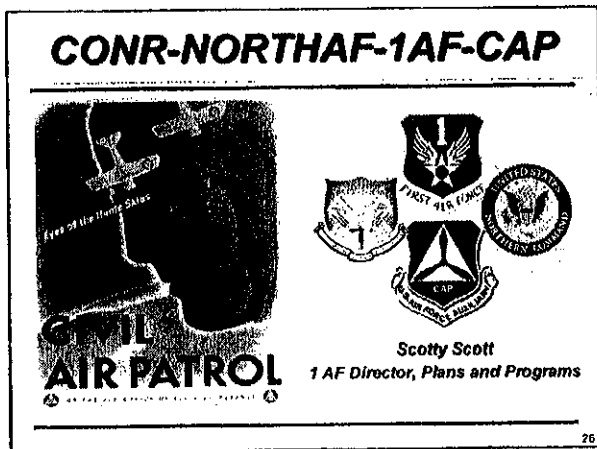
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